Approved For Release 2002/08/20 : CIA-RDP78B04747A003000050041-9	
 CERTIFIED	2
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1 September 1965	
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Subject: Project Project Progress Report - 15 July - 31 August 1965	2
Gentlemen,	
Enclosed is a copy of Progress	2
Report on Project for the period covered	2
16 July - 31 August 1965.  Very truly yours,	
very crury yours,	2
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LHB/de	
Enc: (1) P.R.	
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Declass Review by NIMA / DoD	
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25X1	PROGRESS REPORT
25X1	Period Covered: 15 July - 31 August 1965  Document No.: 31 August 1965
25X1 25X1	The design and detailing has been completed and all parts have been released for manufacture. A prototype of the handwheel switch assembly has been fabricated, tested, and found to be satisfactory. The cold cathode light source and dimming circuit has been delivered and tested.
25X1 · 25X1	. The designs are complete with the
	exception of one or two small subassemblies. 70% of the fabri- cated parts have been released for manufacture; and all of the long lead purchase parts have been ordered. A test was made in the optical lab of the basic arrangement of the high intensity light sources and found to be satisfactory.

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PROBLEM AREAS

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The cold cathode light source used for general illumination was tested and found to deliver amaximum of 2,000 foot-lamberts when used with a 9,000V 30ma transformer (the largest we can fit on the base However, when the dimming control is added, the maximum brightness drops to about 1,700 foot-lamberts. This is somewhat less than the 1,900 footlamberts called for in proposal, but is above the 1,500 foot-lambert minimum stated in the Design Objectives. is necessary to have the full 1,900 foot-lambert brightness, a switch could be added to the dimmer control potentiometer which would short out the dimmer circuit and apply full voltage to the lamp when the control is turned to maximum. This, however, would result in a step change in brightness of approximately 300 footlamberts. Comments on this would be appreciated.

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In addition, the variation of brightness as measured in our laboratory is about 15% instead of the specified 10%. We are investigating a possible solution to this, although to the writer's eye this variation is not noticeable.

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The only problem area is the relatively long lead time required for procurement and machining of some of the larger castings.

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	PROJECTED WORK FOR MONTH OF SEPTEMBER	
	It is planned that all parts will be re-	25X1
	leased for manufacture, and approximately 40% of the parts com-	
25X1	pleted. 70% of the parts will be completed and some	
	assembly started.	
		25X1
	SUMMARY OF CORRESPONDENCE	23/1
	DURING REPORTING PERIOD	
25X1	In a discussion it was pointed out that the	
	light sources, as proposed would result in a	25X1
	dark stripe running across the 11 inch dimension right in the	
25X1	middle of the viewing area indicated that we realized	
	this would not be desirable, and consequently, were procuring a	
	light source with uniform illumination throughout the viewing	
<b>0.5</b> 1/4	area. On August 13, 1965, in a telephone conversation	25X1
25X1	confirmed the correctness of our action,	
	and also expressed a strong preference for a single illumination	
	control instead of the separate controls as proposed.	
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23/1	On August 13, 1965, indicated that the maximum	
25X1	overall dimension with special rhomboids, was	
25X1	5 inches. The designs are consequently based on this.	

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